

UC IRVINE MIDDLE EARTH TOWERS IRVINE, CALIFORNIA



Design Firm: Mithun

Construction Company: Hensel Phelps

Pottorff Rep: Air Product Sales

The 215,000 sq. ft. Middle Earth Towers housing and student-life center is located at The University of California and provides 495 students with energy-efficient, LEED platinum accommodations, dining, learning and amenity spaces. The original housing community was designed in the 1960's and was named after J.R.R. Tolkien's Lord of the Rings trilogy.

The expansion features two residential towers which bridge above a landscaped base echoing the natural form and color of the region's limestone canyons. The vertical design expands the university's capacity to accommodate more students and advances their goal of being a carbon neutral campus by 2025.

PROJECT CHALLENGE

Energy-efficient fresh air intake and exhaust performance while maintaining architectural integrity. Keep rain water from entering the building.

POTTORFF SOLUTION

Our EFJ-445 4" features a J-Blade for hooking water and draining it off the front of the louver blades. 45-degree blade angle allows for fresh air intake and optimal air performance. Features free area of 50.1%. AMCA Certified for Water Penetration and Air Performance.

5 year
warranty

POTTORFF[®]
www.pottorff.com

POTTORFF PRODUCTS USED IN SCHOOL PROJECTS



**CLASS 1A
LEAKAGE
CERTIFIED**



CD-41/CD-42

CD-45/CD-46

LOW LEAKAGE/EXCEPTIONAL AIR CONTROL

CONTROL DAMPERS

Pottorff control dampers feature low leakage and automatic air control for low to high pressure and velocity applications. The CD-45 and CD-46 are AMCA Certified for Air Leakage and Air Performance. They are certified to Class 1A and Class 1 up to 6 inches of static pressure which puts them in compliance with current increased environmental regulations.

- 3V, Airfoil or Round Blade Models Available
- Rugged Channel Frames
- Ultra-Low Leakage Option Available



FSD-141

UL RATED FOR LIFE SAFETY

FIRE/SMOKE DAMPERS

Our economical triple-V blade and high performing airfoil blade combination fire/smoke dampers feature a maximum dynamic closure velocity of up to 4,000 fpm and a maximum UL555S rated pressure of up to 8 in. wg.

- 1½ to 3 Hour UL 555 Rating
- Class I, II and III UL 555S Ratings
- Meets NFPA Standards
- AMCA Certified for Air Performance



FSD-151

**UL Approved for
Class 1 Leakage @
4000 FPM and
8 in.wg.**

**BEST IN CLASS
60.7%
FREE AREA**



ECD-545

AMCA Certified for Water Penetration, Air Performance and Wind-Driven Rain



EFD-635

AMCA Certified for Water Penetration and Air Performance

OPTIMAL AIR INTAKE AND EXHAUST PERFORMANCE

LOUVERS

Pottorff's louvers provide fresh air intake and exhaust while providing architectural style to your projects. Available in depths of 2" to 12", various blade angles and a wide array of anodized and painted finishes for all of your performance needs.

- Acoustical
- Combination/Operable
- Concealed Motor
- Drainable
- FEMA
- Florida Building Code
- Miami-Dade Certified
- Non-Drainable
- Wind-Driven Rain

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